

3-3 Value Analysis Studies

Value Analysis (VA) studies are undertaken early in the project life typically during the development of the Project Initiation Document or Project Report. Although VA studies can be done at any time during the life of the project, studies performed after significant design effort is complete may result in project delays and project development cost overruns.

Districts and sponsoring agencies should include the OSFP Liaison Engineer in VA studies that may involve transportation structures on the State Highway. The involvement of the Liaison Engineer improves the quality of VA studies by ensuring that project alternatives receive appropriate consideration in regards to feasible structural systems. The Liaison Engineer will participate and assist in VA studies upon request.

Typically, VA studies consist of three primary phases which include 1) Pre-Study Preparation, 2) Study Performance, and 3) Post-Study Implementation. The Liaison Engineer's potential involvement in each stage is briefly described as follows:

Pre-Study Preparation--Assist with the selection of the VA Team members, collect and interpret available information, and evaluate study goals. Early contact with the Liaison Engineer is necessary at this stage to allow sufficient time for team selection and gathering of supporting information.

VA Study Performance--Provide trained and experienced VA Team members to participate in VA studies. The Liaison Engineer should be allowed sufficient lead-time in advance of the study to make the necessary arrangements.

Post-Study Implementation--Participate in the evaluation and implementation of recommended alternatives.